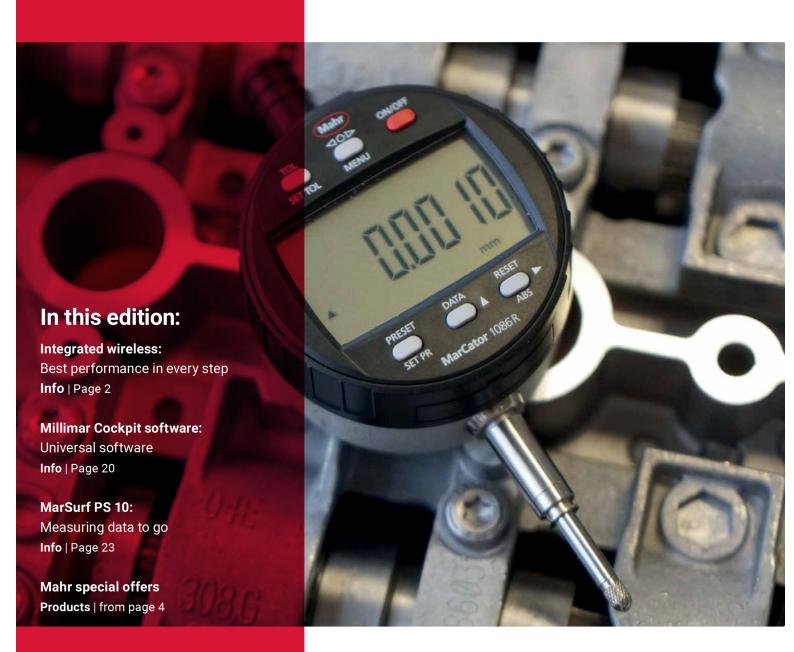




Mahr | A passion for detail

2nd edition 2019

Mahrlights



Best performance

in every step



Reliable

The wireless measuring devices with an integrated transmitter provide visual feedback that data is being transferred correctly, as well as an error message if the connection is lost.



Maximum mobility

Measure autonomously and without limits. Thanks to their wireless, compact system Mahr measuring instruments allow precise measuring - even in the machine or on difficult to reach workpieces.



meter range

measuring instruments simultaneously per i-Stick receiver

device versions for every measuring task

Eliminate risks such as cable breaks or wear and tear. These types of hazard are now a thing of the past with integrated wireless technology.





Want more information?

Scan the QR code and see all the advantages of Mahr's integrated wireless products at a glance. There is also a brochure available to download free of charge.

MarCal. Analog with scale display or digital with reference system – the choice is yours









MarCal. With reference system – transfer data either via integrated wireless or data cable





MarConnect i-Stick



4102220

Order no.	Product	Measuring range	Resolution	Depth rod	Details	List price	Offer price
		mm	mm			£	£
4100400	16 FN	0 - 150	-	square	Vernier value 0.05	27.00	20.00
4100401	16 FN	0 - 200	-	square	Vernier value 0.05	72.00	52.00
4100402	16 FN	0 - 300	-	square	Vernier value 0.05	-176.00-	126.00
4103400	16 EWRi	0 - 150	0.01	round	IP67, with integrated wireless	-202.00-	172.00
4103402	16 EWRi	0 - 150	0.01	square	IP67, with integrated wireless	-202.00 -	172.00
9105795	16 EWRi	0 - 150	0.01	round	Starter pack incl. i-Stick	-287.00-	209.00
9105796	16 EWRi	0 - 150	0.01	square	Starter pack incl. i-Stick	287.00	209.00
4103010	16 ER	0 - 150	0.01	round		 101.00 -	74.00
4103012	16 ER	0 - 150	0.01	square		-101.00 -	74.00
4103205	16 ER	0 - 200	0.01	square		-158.00 -	121.00
4103207	16 ER	0 - 300	0.01	none		-198.00-	162.00
4103300	16 EWR	0 - 150	0.01	round	IP67	-150.00-	112.00
4103302	16 EWR	0 - 150	0.01	square	IP67	-150.00 -	112.00
4103304	16 EWR	0 - 200	0.01	square	IP67	-209.00-	162.00
4103306	16 EWR	0 - 300	0.01	none	IP67	281.00	214.00
4103073	16 EWR-H	0 - 150	0.01	round	IP67, carbide-tipped measuring surfaces	225.00	188.00
4103373	16 EWRi-H	0 - 150	0.01	round	IP67, carbide-tipped measuring surfaces and integrated wireless	-266.00	222.00

Accessories	for measu	ring instruments with integrated wireless		
4102220	i-stick	Wireless receiver for measuring instruments with Integrated Wireless	86.00	71.00

MarCal. Depth gage for every application



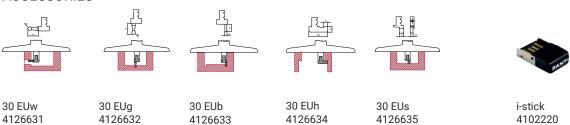




MarCal. Universally adapted to difficult measuring positions



ACCESSORIES



Detailed information about accessories for the MarCal 30 EWRi-U can be found at www.mahr.de

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		£	£
4126700	30 EWR	0 - 150	0.01	IP67, with data output	- 319.00	254.00
4126699	30 EWR	0 - 200	0.01	IP67, with data output	- 370.00	296.00
4126701	30 EWR	0-300	0.01	IP67, with data output	- 419.00	322.00
4126523	30 EWR-D	0 - 200	0.01	IP67, with data output	- 486.00	376.00
4126524	30 EWR-D	0-300	0.01	IP67, with data output	- 618.00	478.00
4126755	30 EWRi	0 - 150	0.01	IP67, with integrated wireless	363.00	287.00
4126754	30 EWRi	0 - 200	0.01	IP67, with integrated wireless	- 410.00	328.00
4126756	30 EWRi	0 - 300	0.01	IP67, with integrated wireless	- 473.00	378.00
4126751	30 EWRi	0-25	0.01	IP67, with integrated wireless	- 248.00	198.00
4126603	30 EWRi-U	0 -300	0.01	IP67, including twin hook IP67, with integrated wireless	-632.00	506.00

Accessories	Accessories for depth gage 30 EWRi-U with interchangeable anvils							
4126633	30 EUb	Anvil with measuring pin ø2 x 8 mm	- 107.00	86.00				
4126632	30 EUg	Ball insert ø4, straight	- 107.00	86.00				
4126634	30 EUh	Anvil with measuring hook	- 107.00	86.00				
4126635	30 EUs	Anvil, interchangeable, for straight measuring rod	- 107.00	86.00				
4126631	30 EUw	Interchangeable anvil, ball insert ø4 mm, angled	- 107.00	86.00				
4102220	i-stick	Wireless receiver for measuring instruments with Integrated Wireless	86.00	71.00				
4126641	30 EUm	Adjustable measuring bridge, 300 mm with fittings	- 189.00	151.00				

Micromar. The choice is yours: with data output or integrated wireless



Micromar. Outside micrometer set, perfectly tailored to your needs





£734.00 Micromar 40 EWRi-V



40 EWRi-V set 4157150

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		£	£
4157010	40 ER	0 - 25	0.001		- 149.00 -	122.00
4157011	40 EWR	0 - 25	0.001	IP65	- 185.00-	149.00
4157012	40 EWR	25 -50	0.001	IP65	- 250.00-	203.00
4157100	40 EWRi	0 - 25	0.001	IP65, integrated wireless	- 257.00 -	207.00
4157101	40 EWRi	25 - 50	0.001	IP65, integrated wireless	302.00	243.00
4157115	40 EWRi	0 - 100	0.001	IP65, integrated wireless, 4 micrometer screws in set	-1346.00	1089.00
4157120	40 EWRi-L	0 - 25	0.001	IP65, integrated wireless, quick adjustment	319.00	257.00
4157121	40 EWRi-L	25 - 50	0.001	IP65, integrated wireless, quick adjustment	- 363.00-	293.00
4157020	40 EWR-L	0 - 25	0.001	IP65, data output, quick adjustment	310.00	250.00
4157021	40 EWR-L	25 – 50	0.001	IP65, data output, quick adjustment	354.00	284.00
4157050	40 EWR-V	0 - 25	0.001	IP65, data output, quick adjustment	896.00-	719.00
4157150	40 EWRi-V	0 - 25	0.001	IP65, integrated wireless, quick adjustment	- 914.00-	734.00

Accessories	Accessories for measuring instruments with Integrated Wireless and data cable connection							
4102603	DK-U1	Bidirectional USB data cable with power supply	87.00-	79.00				
4102606	DK-D1	Digimatic data cable	- 77.00	69.00				
4102220	i-stick	Wireless receiver for measuring instruments with Integrated Wireless	86.00	71.00				

Micromar. Ready for anything with our outside micrometer and inner micrometer screws







£224.00 Micromar 40 SA/SET



Micromar. Analog or digital - precision guaranteed



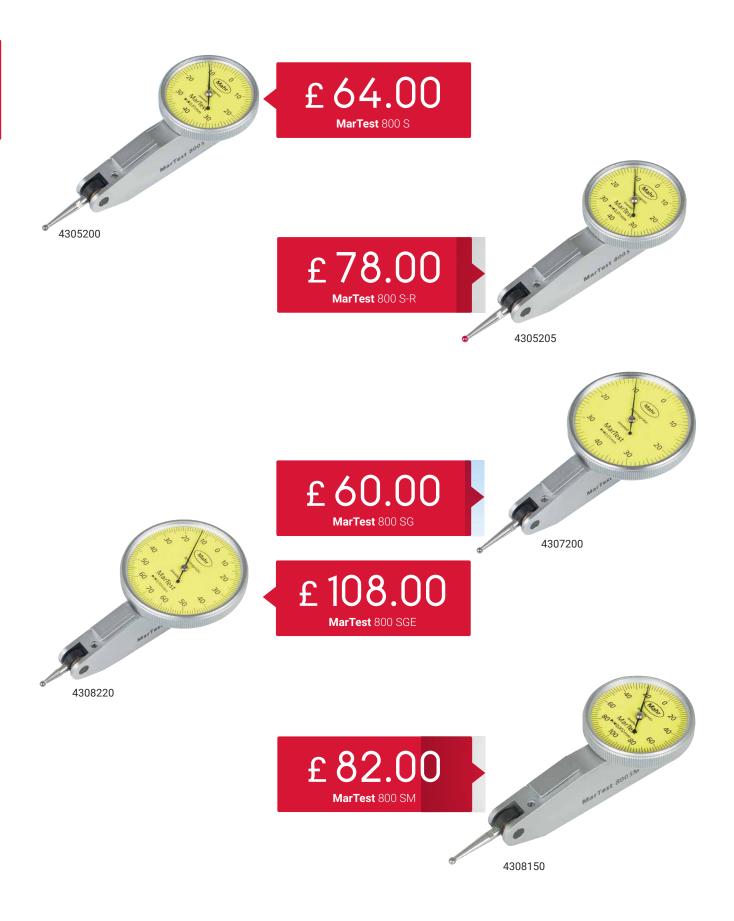
£1742.00 Micromar 44 EWR/SET



£1364.00 Micromar 44 AS/SET

4190352

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		£	£
4134000	40 A	0 - 25	-	Scale graduation value 0.01 mm	50.00	37.00
4134001	40 A	25 – 50	-	Scale graduation value 0.01 mm	76.00	59.00
4134050	40 SA/SET	0 - 100	-	4 micrometer screws in set	- 283.00	224.00
4487760	844 AS/SET	6 - 12	0.0005	including setting rings 8 mm, 10 mm	-1661.00	1349.00
4487761	844 AS/SET	12 - 20	0.0005	including setting ring 16 mm	-1481.00	1211.00
4487762	844 AS/SET	20 - 50	0.0005	including setting rings 25 mm, 40 mm	-2183.00	1787.00
4487763	844 AS/SET	50 - 100	0.0005	including setting rings 60 mm, 85 mm	2646.00	2156.00
4191160	44 EWR/SET	6 – 12	0.001	IP52, data output, including setting rings 8 mm, 10 mm	-1557.00	1274.00
4191161	44 EWR/SET	12 - 20	0.001	IP52, data output, including setting ring 16 mm	-1355.00	1079.00
4191162	44 EWR/SET	20 - 50	0.001	IP52, data output, including setting rings 25 mm, 40 mm	-2106.00	1742.00
4191163	44 EWR/SET	50 – 100	0.001	IP52, data output, including setting rings 60 mm, 85 mm	-2534.00	2057.00
4190350	44 AS/SET	6 – 12	-	including setting rings 8 mm, 10 mm	- 941.00	764.00
4190351	44 AS/SET	12 – 20	-	including setting ring 16 mm	- 726.00	599.00
4190352	44 AS/SET	20 - 50	-	including setting rings 25 mm, 40 mm	-1647.00	1364.00
4190353	44 AS/SET	50 - 100	_	including setting rings 60 mm, 85 mm	-1958.00	1643.00



£89.00 MarTest 800 SGM



Order no.	Product	Measuring range	Graduation value	Details	List price	Offer price
		mm	mm		£	£
4305200	800 S	± 0.4	0.01	Dial face ø 28 mm, measuring anvil length 14.5 mm	80.00	64.00
4305205	800 S-R	± 0.4	0.01	Dial face ø 28 mm, measuring anvil length 14.5 mm	97.00	78.00
4307200	800 SG	± 0.4	0.01	Dial face ø 38 mm, measuring anvil length 14.5 mm	81.00	60.00
4308220	800 SGE	± 0.07	0.001	Dial face ø 38 mm, measuring anvil length 9.15 mm	- 150.00	108.00
4308150	800 SM	± 0.1	0.002	Dial face ø 28 mm, measuring anvil length 14.5 mm	- 101.00	82.00
4308200	800 SGM	± 0.1	0.002	Dial face ø 38 mm, measuring anvil length 14.5 mm	- 112.00	89.00
4307205	800 SG-R	± 0.4	0.01	Dial face ø 38 mm, measuring anvil length 14.5 mm	98.00	79.00
4306200	800 SL	± 0.25	0.01	Dial face ø 28 mm, measuring anvil length 41.24 mm	- 127.00	103.00

MarCator. The high-precision electronic measuring system enables quick and easy processing







Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		£	£
4336010	1075 R	12.5	0.01	LOCK function	- 138.00	101.00
4336020	1075 R	12.5	0.005	LOCK function	- 187.00	139.00
4336030	1075 R	12.5	0.001	LOCK function	- 278.00	209.00
4337130	1086 R	12.5	0.01	ABS, LOCK, Tol function	-261.00	197.00
4337620	1086 R	12.5	0.0005	ABS, LOCK, Tol function	322.00	267.00
4337621	1086 R	25	0.0005	ABS, LOCK, Tol function	384.00	314.00
4337697	1086 R-HR	12.5	0.0001	ABS, LOCK, TOL function, high resolution	459.00	383.00
4337660	1087 R	12.5	0.0005	ABS, LOCK, TOL function, Max/Min//Max-Min	404.00	338.00
4337661	1087 R	25	0.0005	ABS, LOCK, TOL function, Max/Min//Max-Min	462.00	376.00
4337695	1087 R-HR	12.5	0.0001	ABS, LOCK, TOL function, high resolution	- 564.00	473.00
4337624	1086 Ri	12.5	0.0005	ABS, LOCK, TOL function, integrated wireless	- 371.00	308.00
4337625	1086 Ri	25	0.0005	ABS, LOCK, TOL function, integrated wireless	419.00	350.00
4337663	1087 Ri	12.5	0.0005	ABS, LOCK, TOL function, Max/Min//Max-Min, integrated wireless	435.00	365.00
4337665	1087 Ri	25	0.0005	ABS, LOCK, TOL function, Max/Min//Max-Min, integrated wireless	-491.00	413.00

Accessories	Accessories for measuring instruments with Integrated Wireless and data cable connection								
4102603	DK-U1	Bidirectional USB data cable with power supply	87.00	79.00					
4102606	DK-D1	Digimatic data cable	77.00	69.00					
4102220	i-stick	Wireless receiver for measuring instruments with Integrated Wireless	86.00	71.00					

MarCator and Millimess. The large high contrast dial face allows quick and reliable readings



Order no.	Product	Meas ran		Graduati	on value	Details	List price	Offer price
		mm	μm	mm	μm		£	£
4311050	810 A	10		0.01		High contrast dial face	39.00	31.00
4335000	1002		± 25		0.5	High sensitivity and accuracy	319.00	266.00
4334000	1003		± 50		1	High sensitivity and accuracy	- 178.00 -	149.00
4334001	1003 XL		± 130		2	High sensitivity and accuracy	- 178.00-	149.00
4332000	1010	± 0.25		0.01		High sensitivity and accuracy	-132.00	111.00

MarStand. 3D jointed arms allow you to achieve any position within the action radius



Digimar. Aim high with maximum flexibility and quality

Digimar 816 CL Height Measuring Instrument

Perfect for accurate measurements in production and the workshop

Digimar 817 CLM Height Measuring Instrument

With Quick Mode. Rapid measurements with maximum



Digimar. Ideal for the workshop. Robust and versatile

Digimar 814 SR Height Measuring and Scribing Instrument

Exact positioning by handwheel



Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		mm	mm		£	£
4429030	816 CL	0 -350	0.01, 0.001	Error limit (2.8 + L/300) L in mm	3897.00	3051.00
4429031	816 CL	0 - 600	0.01, 0.001	Error limit (2.8 + L/300) L in mm	4415.00	3465.00
4429010	817 CLM	0 -350	0.01, 0.005, 0.001, 0.0005, 0.0001	Error limit (1.8 + L/600) L in mm	-5166.00	4050.00
4429011	817 CLM	0 - 600	0.01, 0.005, 0.001, 0.0005, 0.0001	Error limit (1.8 + L/600) L in mm	-5693.00	4455.00
4429012	817 CLM	0 – 1000	0.01, 0.005, 0.001, 0.0005, 0.0001	Error limit (1.8 + L/600) L in mm	8820.00	6885.00
4426100	814 SR	0 -350	0.01	Digit height 12 mm, handwheel for positioning and measuring	- 554.00	446.00
4426101	814 SR	0 - 600	0.01	Digit height 12 mm, handwheel for positioning and measuring	- 972.00	783.00

Universal software

for complex measuring tasks

The Millimar Cockpit software is an intelligent versatile interface tool which not only offers preset standard formulae for all the most common measuring tasks – it also allows you to undertake those complex and individual measurements.

The Millimar C 1700 measuring computer combines everything your need for professional data analysis in production. Take your quality assurance to the next level.



- Interactive, touch software
- N 1700 simulator/configurator: Offline program creation, even without hardware
- Universal formula editor for complex measuring tasks
- Live visualization of measured data
- Simultaneous display of 128 digital or analog features
- Data output in Excel or qs-STAT file
- Traceability of past measurements using History View software option

The Cockpit software allows you to access prestored programs and start a measurement without having to specify settings yourself. Not only does this save you time, it also avoids potential error sources from manual setting.

The presettings currently include nine of the main measuring task areas, but the user can also save individualized presettings for later and repeat measurements.

Туре	C1700 PC
Compatibility	USB, Integrated Wireless, Millimar N 1700
Measuring combinations	Predefined wizards for standard features, links entered via comprehensive formula editor
Dimensions (in mm, W H D)	276 x 192 x 49.5
Included in package	Millimar Cockpit software incl. 10.1" Touch PC, pre-installed Windows 10 IoT Enterprise, Mahr license key, installation disk, recovery stick 16 GB, AC adapter, VESA 100 standard bracket
Optional accessories	Software option: Measuring value/master value history (order no.: 5312802)
Order no.	Touch PC with Cockpit software 5312801, Cockpit software (without PC) 5312804



£2250.00 Millimar C1700 PC

5312801

£279.00 Millimar N1702 M



£ 123.00

Millimar N 1701 USB









Millimar N1704 I/O

Order no.	Product	Compatibility	Resolution	Details	List price	Offer price
			μm		£	£
5312801	Millimar C1700 PC	USB, Integrated Wireless, Millimar N1700	0.01	Dynamic functions: MAX, MIN, MAX-MIN, MAX+MIN	-2619.00	2250.00
5312804	Cockpit software	USB, Integrated Wireless, Millimar N1700	0.01	Mahr license key	899.00	765.00

Order no.	Product	Measuring range	Resolution	Details	List price	Offer price
		μm	μm		£	£
5331120	N1702 M	± 2000, ± 5000	0.1	Induction module	324.00	279.00
5331130	N1701 USB	-	-	USB connection module	144.00	123.00
5331133	N1701 PS	-	-	Power supply module	- 189.00	161.00
5331134	N1704 I/O	-	-	Input/output module	234.00	200.00



£719.00 Millimar C1200

£204.00 Millimar P2004 M



£522.00 Millimar 1318



Order no.	Product	Numerical display	Resolution	Details	List price	Offer price
		μm	μm		£	£
5312010	Millimar C1200	± 5000	0.1	High resolution, high contrast TFT colour display	- 851.00	719.00

Order no.	Product	Measuring range	Measuring force	Details	List price	Offer price
		μm	N		£	£
5323010	P2004 M	± 2	0.75	Measuring pin mounted in ball-bearing guide	240.00	204.00
5323011	P2004T	± 2	0.75	Measuring pin mounted in ball-bearing guide	- 240.00	204.00
5313180	1318	- 0.3 1	0.25 +/-0.05	Dial test indicator inductive probe	-613.00	522.00



We're used to being able to access our data anytime anywhere on our smartphones. Why shouldn't we be able to do it with our measuring instruments too? The MarSurf PS 10 is a flexible and portable all-rounder which not only allows you to record measurements, but also to open the measuring data. Its compact design makes the PS 10 your ideal companion for measuring tasks on the go. Whether horizontal, vertical or upside down - benefit from simple, mains-independent handling, even in small spaces. The data is backed up immediately - by saving measuring records automatically as a PDF. This means you can have both your measuring instrument and measurement evaluation at hand at all times - simple as that!

Product highlights:

- Intuitive operation of the 4.3" touch display
- Measuring principle: Stylus method for roughness measurement
- Save 500,000 measuring results internally
- Lightweight: just 500 g
- Memory can be expanded to 32 GB
- · Automatic cutoff selection

For more information go to: www.mahr.com









Order no.	Product	Measuring range	Probe	Details	List price	Offer price
		μm			£	£
6910230	PS 10 SET	350	Skidded probe system	min. 3900 profiles, min. 500,000 results, min. 1500 PDF measuring records, expandable to 32 GB with microSD card	-1850.00	1595.00
6910431	M 300 C	350	Skidded probe system	integrated memory, max. 40,000 results, max. 30 profiles	-4023.00	3149.00
6910401	M 300 2 μm	350	Skidded probe system	integrated memory, max. 40,000 results, max. 30 profiles	-4023.00	3149.00
6910404	M 400	+/- 250 (up to +/-750 with 3x probe arm length)	Skidless probe system	Over 50 surface parameters for R-, P- and W-profiles according to current ISO/JIS or MOTIF standards (ISO 12085)	-8235.00	6165.00

MarVision. Simple and powerful in practice. CNC for the workshop too





Order no.	Product	Measuring range X/Y	Magnification	Details	List price	Offer price
		mm			£	£
4247601	MM 420, Zoom lens	200 / 100	0.7x - 4.5x	built-in incremental scale	18810.00	17325.00
4247701	MM 420 CNC	200 / 100	6.5:1	built-in incremental scale	29250.00	26910.00

Precimar. The length measuring bench: rugged construction makes it suitable for use close to production





Order no.	Product	Measuring range	Application range	Mount ø	Details	List price	Offer price
		mm	mm	mm		£	£
5357360	SM 60	0 - 25	0 - 60	8	Size of table ø 60 mm, mass 9 kg	1440.00	1251.00

Suitable dial indicators from the Mahrlights range

Order no.	er no. Product Measuring Resolution Details range		Details	List price	Offer price	
		mm	mm		£	£
4337621	1086 R	25	0.0005	ABS, LOCK, Tol function	384.00	314.00
4337625	1086 Ri	25	0.0005	ABS, LOCK, TOL function, integrated wireless	- 419.00	350.00



Mahr GmbH Carl-Mahr-Straße 1 D-37073 Göttingen

Reutlinger Str. 48

73728 Esslingen

Tel.: +49 551 7073 800

info@mahr.com

www.mahr.com

Available from:

Halder D.O.O. Miodraga Vlajića Šuke b.b. 34000 Kragujevac

Tel: 034/332-415

Fax: 034/332-416

info@halder.rs



© **Mahr** GmbH

We reserve the right to modify our products, especially in light of technical improvements and further developments. All illustrations and technical data are therefore without guarantee.

3764845 | 07.2019